### **CUMULATIVE INDEXES**

#### **VOLUMES 1-4**

### INDEX OF CONTRIBUTING AUTHORS

Allen, P. J., 3:313	
Ashida, J., 3:153	
Artsikhovskaya, E.	V
2:157	

B

Baigent, N. L., 3:231 Bailey, D. L., 4:1 Baker, K. F., 4:311 Bateman, D. F., 4:119 Beckman, C. H., 2:231 Boosalis, M. G., 2:363 Brook, P. J., 4:171 Brown, W., 3:1 Buddenhagen, I., 2:203

C

Cadman, C. H., 1:143 Calpouzos, L., 4:369 Campbell, R. N., 4:29 Christensen, C. M., 3: 59 Crosse, J. E., 4:291 Cruickshank, I. A. M.,

1:351

D

Darley, E. F., 4:103 Day, P. R., 4:245 Diener, T. O., 1:197 Domsch, K. H., 2:293

E

Erwin, D. C., 1:375

F

Fulton, R. H., 3:175 Fulton, R. W., 4:79

G

Galindo, J., 1:375 Goto, J., 1:397 Graham, D. C., 2:13 Grogan, R. G., 4:29

H

Heitefuss, R., 4:221

Hepting, G. H., 1:31 Hickman, C. J., 4:195 Hildebrand, D. C., 2:101 Hirschmann, H. H., 2:57 Ho, H. H., 4:195 Hollings, M., 3:367

K

Kaufmann, H. H., 3:69 Kelman, A., 2:203 Koch, L. W., 2:267 Kreutzer, W. A., 1:101 Krusberg, L. R., 1:219

I

Large, E. C., 4:9 Leben, C., 3:209 Lockwood, J. L., 2:341

M

McWhorter, F. P., 3: 287 Mandels, M., 3:85 Martin, J. T., 2:81 Menzies, J. D., 1:127 Middleton, J. T., 4:103 Millar, R. L., 4:119 Moseman, J. G., 4:269 Mundry, K. W., 1:173

N

Niederhauser, J. S., 1: 375 Norkrans, B., 1:325

0

Okabe, N., 1:397 Owens, R. G., 1:77

P

Park, D., 1:241 Parmeter, J. H., Jr., 1: 51 Patrick, Z. A., 2:267 Pringle, R. B., 2:133

R

Reese, E. T., 3:85 Reichle, R. E., 1:51 Rich, S., 2:253 Rubin, B. A., 2:157

S

Scardavi, A., 4:335 Scheffer, R. P., 2:133 Scheffer, T. C., 4:147 Schnathorst, W. C., 3: 343 Schroth, M. N., 2:101 Sequeira, L., 1:5 Shaw, M., 1:259 Siegel, A., 2:179 Sijpesteijn, A. K., 3:127 Smith, S. H., 4:311 Snyder, W. C., 1:51 Stakman, E. C., 2:1 Starr, M. P., 3:231 Stolp, H., 3:231 Stolp, H., 3:231

T

Tomiyama, K., 1:295 Toussoun, T. A., 2: 267 Triantaphyllou, A. C., 2: 57

V

van Andel, O. M., 4: 349 van der Kerk, G. J. M., 3:127 Van Gundy, S. D., 3:43

W

Waggoner, P. E., 3:103 Walker, J. C., 1:1; 3:197 Wellman, F. L., 2:43 Wetter, C., 3:19 White, E. P., 4:171 Wilhelm, S., 4:53 Woodcock, D., 2:321

2

Zaitlin, M., 2: 179 Zak, B., 2: 377 Zentmyer, G. A., 1: 375

# INDEX OF CHAPTER TITLES

# VOLUMES 1-4

PREFATORY CHAPTER		
The Future of Plant Pathology	J. C. Walker	1:1-4
Opportunity and Obligation in		
Plant Pathology	E. C. Stakman	2:1-2
Toxins and Cell-Wall Dissolving		
Enzymes in Relation to Plant		
Disease	W. C. Brown	3:1-18
Whither Pathology	D. L. Bailey	4:1-8
APPRAISAL OF DISEASE		
Serology in Virus Disease Diagnosis	C. Wetter	3:19-42
Measuring Plant Disease	E. C. Large	4:9-28
PATHOGENS Hotoschampenin and Variability in		
Heterokarysosis and Variability in Plant Pathogenic Fungi	I W Darmeter In W C	
Flant Faulogenic Fungi	J. H. Parmeter, Jr., W. C. Snyder, R. E. Reichle	1:51-76
The Direct Assay of Plant Pathogen	buyder, R. E. Reichie	1.51-10
Populations in Soil	J. D. Menzies	1:127-42
Biology of Soil-Borne Viruses	C. H. Cadman	1:143-72
Plant Virus-Host Cell Relations	K. W. Mundry	1:173-96
Philosophy of the Soft Rot Coliform	,	
Bacteria	D. C. Graham	2:13-42
Parasitism Among Neotropical		
Phanerogams	F. L. Wellman	2:43-56
Reproduction in Plant and Soil		
Nematodes	A. C. Triantaphyllou, H. H.	
	Hirschmann	2:57-80
Ozone Damage to Plants	S. Rich	2:253-66
Effect of Crop-Residue Decomposition		
Products of Plant Roots	Z. A. Patrick, T. A. Toussoun,	0.000.00
Factors in Committee of Managed on	L. W. Koch	2:267-92
Factors in Survival of Nematodes	S. D. Van Gundy	3:43-68
Deterioration of Stored Grains by	C M Christenson U U	
Fungi	C. M. Christensen, H. H. Kaufmann	3:69-84
Problems in Speciation of Phytopathogenic		0.00-04
Pseudomonads and Xanthomonads	H. Stolp, M. P. Starr, N. L.	
a beautifeliants with Hamiltonium	Baigent	3:231-64
Fungi as Vectors and Hosts of Viruses	R. G. Grogan, R. N. Campbell	4:29-52
Chemical Treatment and Inoculum	are as aregony are are anniproces	
Potential of Soil	S. Wilhelm	4:53-78
Mechanical Transmission of Viruses		
of Woody Plants	R. W. Fulton	4:79-102
Problems of Air Pollution in Plant		
Pathology	E. F. Darley, J. T. Middleton	4:103-18
MORPHOLOGY AND ANATOMY		
Degradation of Cellulose	B. Norkrans	1:325-50
Role of Cuticle in the Defense Against		
Plant Disease	J. T. Martin	2:81-100
Infection Process in Plant Virus		0 450 000
Diseases	A. Siegel, M. Zaitlin	2:179-202
Histochemistry of Foliage Diseases Plant Virus Inclusions	N. Suzuki F. P. McWhorter	3:265-86 3:287-312
	D. F. Bateman, R. L.	3:201-312
Pectic Enzymes in Tissue Degradation	Millar	4:119-46
PHYSIOLOGY OF HOST-PATHOGEN INTER		4:115-40
Growth Regulators in Plant Disease	L. Sequeira	1:5-30
Physiology of Virus-Infected Plants	T. O. Diener	1:197-218
Host Response to Nematode Infection	L. R. Krusberg	1:219-40
The Physiology and Host-Parasite	- The way manage P.	**************************************
Relations of the Rusts	M. Shaw	1:259-94
Physiology and Biochemistry of Disease		
Resistance of Plants	K. Tomiyama	1:295-324
Phytoalexins	I. A. M. Cruickshank	1:351-74

Influence of Plant Exudates on Root- Infecting Fungi	M. N. Schroth, D. C. Hildebrand	2:101-32
Host Specific Plant Toxins	R. B. Pringle, R. P. Scheffer	2:133-56
Biochemistry of Pathological Darkening	att at a angely as a t bonoacc	21100 00
of Plant Tissues	B. A. Rubin, E. V. Artsikhovskaya	2:157-78
Biological and Physiological Aspects		
of Bacterial Wilt Caused by Pseudomonas		0.000 00
Solanacearum Host Responses to Vascular Infection	I. Buddenhagen, A. Kelman C. H. Beckman	2:203-30 2:231-52
Inhibition of Cellulases	M. Mandels, E. T. Reese	3:85-102
Metabolic Aspects of Spore Germination	312. 11111111111111111111111111111111111	0.00 202
in Fungi	P. J. Allen	3:313-42
Natural Resistance of Wood to Microbial		
Deterioration	T. C. Scheffer	4:147-70
Fungus Toxins Affecting Mammals	P. J. Brook, E. P. White	4:171-94
Behaviour of Zoospores in Plant- Pathogenic Phycomycetes	C. J. Hickman, H. H. Ho	4:195-220
Nucleic Acid Metabolism in Obligate	0. 0. 11011111111, 11. 11. 110	
Parasitism	R. Heitefuss	4:221-44
GENETICS OF HOST-PATHOGEN INTERACT		
Variation in the Genus Phytophthora	D. C. Erwin, G. A. Zentmyer,	errania de
	J. Galindo, J. S. Niederhauser	1:375-96
Recent Developments in the Genetics of	D D D	4.045.00
the Host-Parasite System Genetics of Powdery Mildews	P. R. Day J. G. Moseman	4:245-68 4:269-90
EPIDEMIOLOGY-DISEASE IN POPULATION	J. G. Moseman	1,205-50
Microclimate and Plant Disease	P. E. Waggoner	3:103-26
Epidemiological Relations of the Pseudom-		
onad Pathogens of Deciduous Fruit		
Trees	J. E. Crosse	4:291-310
Dynamics of Seed Transmission of Plant		
Pathogens INFLUENCE OF ENVIRONMENT	K. F. Baker, S. H. Smith	4:311-34
Climate and Forest Diseases	G. H. Hepting	1:31-50
Environmental Relationships in the	G. II. Hepting	1.01-00
Powdery Mildews	W. C. Schnathorst	3:343-66
ACTION OF TOXICANTS		
Chemistry and Physiology of Fungicidal		
Action	R. G. Owens	1:77-100
Microbial Degradation of Synthetic	D. Woodensk	2:321-40
Compounds Fate of Fungicides in Plants	D. Woodcock G. J. M. van der Kerk,	2:321-40
rate of rungicides in riants	A. K. Sijpesteijn	3:127-52
Adaptation of Fungi to Metal Toxicants	J. Ashida	3:153-74
Synergism Among Fungicides	A. Scardavi	4:335-48
CHEMICAL CONTROL		
Selective Toxicity of Chemical to Soil		
Microorganisms	W. A. Kreutzer	1:101-26
Soil Fungicides	K. H. Domsch	2:293-320
Soil Fungistasis	J. L. Lockwood	2:341-62
Low Volume Spraying	R. H. Fulton	3:175-96
Amino Acid and Plant Diseases	O. M. van Andel	4:349-68
Action of Oil in the Control of Plant Disease	L. Calpouzos	4:369-90
BIOLOGICAL AND CULTURAL CONTROL	L. Carponado	4.305-80
Bacteriophages of Plant Pathogens	N. Okabe, M. Goto	1:397-418
Hyperparasitism	M. B. Boosalis	2:363-76
Disease Control Through Virus Free		
Stock	M. Hollings	3:367-96
BREEDING FOR RESISTANCE		
Use of Environmental Factors in	I C Walles	9.108 900
Screening for Disease Resistance	J. C. Walker	3:197-208
ORGAN AFFECTED The Ecology of Soil-Borne Fungal Disease	D. Park	1:241-58
Role of Mycorrhizae in Root Disease	B. Zak	2:377-92
Epiphytic Microorganisms in Relation		
to Plant Disease	C. Leben	3:209-30